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University of Maryland at College Park

OUTLOOK

October 9, 1989

Committee Named to Review Faculty Role in University Governance

President William Kirwan has announced the formation of an Ad-Hoc Committee on Faculty Governance. The all-faculty committee, whose members were appointed in cooperation with the executive committee of the University Senate, has been asked "to review the role of faculty in the governance in other leading public institutions, and make appropriate recommendations to strengthen College Park governance practices so that they will support our development as one of the nation's eminent research universities." The committee has been asked to complete its report by Feb. 28, 1990.

In announcing the committee, Kirwan said, "A university can only achieve greatness if its faculty are partners in its governance. As a university evolves, its governance must evolve with it. We have made significant strides in faculty governance here over the past few years, and I have asked the committee to recommend what else should be done to bring the energy and vitality of our faculty to bear on assuring our quality and planning our future directions."

As part of its procedures the committee plans to analyze the present system of university and faculty representative bodies and committees, interview campus faculty and administrative leaders as well as randomly selected faculty, study college and department organization plans and constitutions, and collect information from other major research institutions.

Faculty wishing to communicate their views on the role of faculty in governance, including issues of governance on this campus or proposals for change, should send their statements to the committee by writing to Robert Birnbaum, NCPGE, 4114 CSS Building, Campus. The committee will also solicit faculty opinion through one or more public hearings in late autumn, and is considering the development of a survey.

Committee members include Chair Robert Birnbaum (Nat. Ctr. for Postsecondary Governance and Finance); Monique Clague (EDPA); Jane Clark (PHED); Richard Farrell (HIST); Raymond Johnson (MATH); Earlean McCarrick (GVPT); Phyllis Moser-Veillon (HNFS); Alan Pasch (PHIL); and Mahlon Straszheim (ECON). ■

Groundbreaking Ceremony Marks Start of Archives II Construction

On October 17 at 10:30 a.m., the Archivist of the United States Don W. Wilson, Governor William Donald Schaefer,

Senator Paul Sarbanes, Senator Barbara Mikulski, Congressman Steny Hoyer, and College Park President William E. Kirwan will speak at a special program that will take place outdoors on a 33-acre site just behind the university golf course at Adelphi Rd. and University Blvd. The event, a symbolic groundbreaking ceremony, marks the onset of construction of Archives II, the 1.7-million square-foot \$205 million Second National Archives Building at College Park, scheduled for completion in fall 1993.

The building—one of the two main repositories for permanent records of the U.S.—will house more than half of the collection of the National Archives and Records Administration (NARA), including some of the nation's most valuable historical documents, such as the entire State Department record, 11 million charts, maps and photos, and

documents of World War II and Vietnam.

An agreement signed on October 1 between NARA and College Park spells out the terms and describes the new collaborative relationship between the two institutions: "...the placement of Archives II at the University of Maryland at College Park will signify the beginning of a mutually rewarding partnership between the University and the National Archives and Records Administration. NARA will be associated with one of America's premier universities and its outstanding educational resources, while the University will be associated with the world's preeminent archival institution, its scholarly programs, and the Nation's largest and most important collection of historical records."

The agreement calls for Archives II to provide the most advanced archival storage, reference and laboratory facilities, as well as contain space for offices, a theater, conference rooms, a cafeteria, and day-care center. The design of the six-story building will be

planned to fit in with its park-like setting, with a three-level parking deck terraced into the landscape and substantial stands of trees surrounding the building on all sides.

The agreement specifies that a seven-person committee be appointed to administer the joint projects, and a policy statement outlines the collaborative relationships that will exist between NARA and UMCP. These include:

- Information Access: convenient access through the university's academic computing networks for scholars to access NARA's reference data bases;
- Educational and outreach opportunities: courses, conferences, lectures, and other educational opportunities at Archives II and the university that will draw professionals and scholars from such fields as history, government and politics, public policy, archives, preservation, computer science, information management and journalism to College

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World Food Prize Winner to Speak at College Park



Verghese Kurien

Verghese Kurien, winner of the 1989 World Food Prize, will be a distinguished lecturer on campus when he speaks on "Food for Millions," Friday, Oct. 20 at 3:15 p.m. in room 1240 of the Zoology-Psychology Building. A reception will follow in the Atrium outside the lecture hall. The public is invited.

The visit is sponsored by the colleges of Agriculture and Life Sciences, the Office of the Vice Chancellor for Agriculture and Natural Resources, and the Center for Agricultural Biotechnology.

Inder K. Vijay, a campus professor of animal sciences, arranged for Kurien to speak on campus. Vijay received his undergraduate internship and training under Kurien in Anand, India.

Kurien will be presented with the World Food Prize Oct. 17 at the Smithsonian Institution. The prize is the brainchild of Nobel Peace Laureate, Norman Borlaug. It includes a cash award of \$200,000 and, in the area of meeting challenges against world hunger, is regarded as the equivalent of the Nobel Peace Prize.

The World Food Prize is the foremost international award to recognize, encourage and reward outstanding individual achievement in improving the world food system. The prize is also intended to attract talented, creative and dedicated young people to careers in food and agriculture.

Kurien, chair of the National Dairy Development Board in Anand, India, is known by his countrymen as "The Father of the White Revolution," for his development and organization of the dairy cooperative operation that produces, processes and markets milk for more than 500 urban areas and nearly 200 million people in India.

The dairy cooperative is now a model for other agricultural commodities in India. Eighty-five other developing nations are attempting to replicate it in their agricultural industries.

Kurien's work began in 1948 in the state of Gujarat in western India and led to his leadership of dairy production based on farmers' ownership of the cooperatives that produce, process and market milk. The farmer-owned, democratically controlled cooperatives have created a grassroots foundation to India's democracy. The success of this cooperation has led to its local application to other problems such as health care, sanitation and water supply.

Kurien was born in the state of Kerala in 1921. He earned bachelor's degrees from Madras University in science (1940) and engineering (1943) and a master of science degree in mechanical engineering from Michigan State University in 1948. He also studied dairy production and processing in India, New Zealand and Australia. Numerous universities worldwide have awarded him honorary doctorate degrees. He is the recipient of many national and international honors, including the Carnegie Peace Prize and the Magsaysay Award. ■

—Fariss Samarrai

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Gala Concert will Feature Vivaldi, Heifetz—and Kirwan

President William Kirwan will team up with renowned faculty violinist Daniel Heifetz for a presentation of Vivaldi's *Four Seasons* at a gala scholarship concert on Wednesday, Oct. 18 at 8 p.m. in the Tawes Recital Hall. Kirwan will narrate Vivaldi's original poems which inspired the music. The all-concerto concert with the University of Maryland Chamber Orchestra will also include Bach's Double Violin Concerto in D Minor with guest performer Yuki MacQueen and the Mozart Violin Concerto No. 5 in A Major, K. 219. Tickets are \$10 (\$7 for students and senior citizens). For information call 454-6669.

Deadlines Set for Faculty International Travel Fund Awards

Funding in small amounts is available for faculty members interested in travelling overseas to initiate or collaborate in research programs. In no instance will travel to conventions, international meetings or short-term lecturing be supported. Application deadlines are October 15, 1989, February 15, 1990 and May 15, 1990. For more information and application forms, please call the Office of International Affairs at 454-3008.

RESEARCH HIGHLIGHTS

Survey Compares How Soviets and Americans and Spend Time

Yes, Soviet do spend more time waiting in lines than Americans.

But in many other ways the average weeks of American and Soviet men and women don't differ much at all, according to a new study that compares the time use patterns of people in two small industrial cities—one near Detroit, the other near Leningrad. Moreover, the time use patterns in the two countries have become much more similar in the last 20 years, says sociology professor John Robinson, a leader of the project's research team.

In both cities, men work outside the home more hours than women, and women do most of the housework. Working men in both places spend an average of slightly over 40 hours a week at their jobs and tend to work five-day weeks.

Watching television is the dominant leisure activity in both places. The time spent on comparable forms of leisure such as reading, radio and movies has decreased as the amount of time spent with television has increased.

These findings and much more appear in a new book, *The Rhythm of Daily Life*, which describes the results of the first-ever joint study of time-use patterns in the U.S. and the Soviet Union. Sociologists from the University of Maryland at College Park and the Soviet Union led the research project.

During a three-month period in early 1986 residents in Jackson, Mich., a city of 80,000, and Pskov, a city of 197,000 kept diaries of how they spent their time each day. Some 710 adults in Jackson and 2,181 adults in Pskov participated in the survey.

The American and Soviet scholars compiled the information and drew comparisons both between the cities and with similar surveys that they had conducted in each city in 1965-66.

"The major trends in daily life in the two countries are remarkably similar," Robinson says. "And these are trends that seem to have taken place well before Perestroika."

In addition to examining time use patterns, the study also includes a vast amount of demographic information gathered from the responses of residents in the two cities to more than 600 questions. This part of the survey includes extensive information about ownership of household goods and features a unique set of responses in which the Soviets and Americans described their levels of satisfaction with the various way they spend their time.

The survey shows:

- The daily schedules of women in Jackson and Pskov vary much more than those of men. The major differences is in employment outside the home. In Pskov 80 percent of the women work outside the home, compared with 55 percent in Jackson, and the Pskov women worked longer hours. Since 1965, however, the percentage of working women in Pskov has decreased—mostly due to maternity leave—while in Jackson it has increased.

- Despite the difference in hours spent working outside the home, women in both cities spend about 17 hours each week doing housework. Since 1965 the number of hours women in both cities



spend doing housework has decreased. In both cities, men have chipped in more with the housework—especially with cooking and laundry. The introduction of many labor-saving devices has helped reduce the hours Pskov women spend at housework.

- Television has become the dominant form of entertainment and free activity in both cities. Residents of Jackson spend an average of 17 hours each week with television, while in Pskov residents spend 13 hours. In both cities the amount of television viewing has increased since 1965. The increase in U.S. viewing is due to improvements in television sets, longer broadcast days and

more channels.

- Nearly all homes in both cities have such basic appliances as stoves, refrigerators, washing machines, and vacuum cleaners. Far more Jackson homes, however, had more sophisticated devices such as microwave ovens, televisions, stereos, food processors, dishwashers and coffee machines. More homes in Pskov had technology for canning and preserving food.

- More Pskov households featured traditional family relationships (married with children) and more extended families. More Jackson residents lived alone or in nuclear families. ■

—Brian Busek

New Electronic Book Offers Non-technical Introduction to Hypertext

HYPERTEXT HANDS-ON!, an innovative book and software package that provides the first hands-on, non-technical introduction to hypertext was recently released by Addison-Wesley Publishing Company.

Co-authored by Ben Shneiderman, associate professor in the Department of Computer Science, director of the Human-Computer Interaction Laboratory, and member of the Institute for Advanced Computer Studies at the University of Maryland at College Park, and Greg Kearsley of Park Row Inc., *HYPERTEXT HANDS-ON!* introduces this novel approach to organizing and accessing information.

Hypertext is a new computer technology for manipulating information, but in a grander sense, says Shneiderman, it is a new way of reading and writing.

Both the book and software versions of *HYPERTEXT HANDS-ON!* cover the basic concepts of hypertext, typical hypertext applications, and currently available authoring systems. The book is self-contained and can be read from beginning to end without a computer. The software is also self-contained and, since it presents the material in hypertext form, can be read in any order the user chooses.

Since the two versions contain largely similar material, they provide an interesting basis for comparing conventional text presentation and hypertext. ■

MIPS Funds 29 Research Projects

Twenty-nine Maryland companies are the recipients of research funding in the most recent round of awards from the Maryland Industrial Partnerships (MIPS) program. Twenty-three of the 29 involve UMCP faculty members.

Since it was launched in 1987, MIPS has funded nearly 100 projects. To date, \$3.2 million has been awarded for research projects that are intended to make participating companies more competitive and to create new jobs for Marylanders.

Among the newly funded projects in which College Park researchers are actively involved are turning poultry waste into compost, researching a computerized saw to minimize the lumber waste of a furniture manufacturer, creating no-cholesterol foods using tofu and other vegetable protein sources, production of a gypsy moth virus, and developing an expert system to help with the research and preparation of legal cases.

MIPS offers matching grants for research and development to Maryland firms through an initiative designed to boost the economy of the state. Funding supports research conducted by faculty members of the University of Maryland system in scientific and technical fields. ■

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 454-5335.



Campus Senate Invites UM Chancellor To Speak on October 12

At the Campus Senate meeting on Thursday, October 12, Chancellor James A. (Dolph) Norton will speak to the College Park Campus Senate. Other business that will be part of the agenda that day includes the discussion and vote on the Appointment, Rank and Tenure Policy as well as a resolution on Guidelines for Use in Discussions of Grounds for Dismissal. The meeting will take place from 3:30 p.m. to 6:30 p.m. Rm. 0126, Reckord Armory. The meeting is open to the public, but only senators may vote.

University to Host National Symposium on China Oct. 13 and 14

Harrison E. Salisbury, New York Times correspondent on China for many years, will be the keynote speaker when UMCP hosts a national symposium on China Oct. 13-14.

Salisbury, who will be speaking Oct. 13 at 8 p.m. in the auditorium of the Center of Adult Education, was in Beijing by coincidence in June to film a television documentary and found himself in the midst of student demonstrations. The result of that experience is a new book, entitled, *Tiananmen Diary: Thirteen Days in June* (Little Brown and Company).

The symposium, sponsored by the university's China Committee, will also

include a special panel on "Education, Youth and Social Change in China: Future Directions" beginning at 8:30 a.m. on Oct. 14 in Room 1410 of the Physics Building.

The panel will feature a paper by Frank Tang, a Chinese-American who has lived in China almost continuously since 1948.

Tang is the author of several books and articles, both in English and Chinese, and was until recently professor and director of the American Studies Center at one of Beijing's most highly-regarded universities.

Joining Tang on the panel will be Leo Orleans, who was raised in China from 1924 to 1939 and the China expert at the

Library of Congress from 1951 to 1981. Now a writer and consultant, Orleans' latest book is entitled, *Chinese Students in America: Policies, Issues and Numbers*.

Gregory Chow, a professor of Economics at Princeton University, will discuss "Prospects for China's Economic Growth" at 10:45 a.m., also on Oct. 14 and in Room 1410 of the Physics Building.

Chow, who will have just returned from a long scholarly visit to the People's Republic of China shortly before the symposium, is one of America's leading economists, with expertise on China. He has a number of honorary affiliations with Chinese universities.

Sylvan Wittwer, director emeritus of



Harrison Salisbury

Michigan State University's Agricultural Experiment Station, will round out the list of guest speakers. He will discuss "Chinese Agricultural Science and Technology—The Road Ahead" at 2 p.m. in Room 1410 of the Physics Building. He is the author of a new book, entitled, *Feeding a Billion*.

For more information, call 454-3008. ■

Mathematics Conference Set for Oct. 13

The service role of mathematics instruction for other college disciplines will be assessed in a major conference Oct. 13 in the Adele H. Stamp Student Union.

The conference, "Mathematical Sciences: Servant to Other Disciplines," is sponsored by Mathematical Sciences in the Year 2000 (MS 2000), a project of the Board on Mathematical Sciences and the Mathematical Sciences Education Board of the National Research Council.

President William E. Kirwan is chair of the MS 2000 committee and Rita R. Colwell, director of the Maryland Biotechnology Institute, is a committee member.

The conference will be structured in a fact-finding format to examine the mathematical sciences' service role from a client's perspective. Representatives from many of the areas served by mathematics will describe the mathematical needs of their students and will comment on whether mathematical sciences departments are addressing those needs. The conference will be conducted in a hearing format with each presenter making a statement to the oversight committee of the MS 2000 project, followed by a question and answer period.

Estelle Russek-Cohen, a campus associate professor of animal sciences, will discuss mathematics and biology, and Jack M. Wilson, a campus professor of physics who heads the American Association of Physics Teachers, will address the area of mathematics and physics. There will be nine other presenters discussing how mathematics serves such disciplines as the arts and humanities, social sciences, management, engineering, computer science and chemistry.

Because of statistics that show a continuing decline in mathematics ability among U.S. students at the college and university level, there is a compelling case for fundamental changes in the way mathematics is taught, learned, created and used. MS 2000 is a three-year pro-

ject designed to provide a national agenda toward enhanced quality in mathematical sciences education and research at the college and university level. The project is being executed in three overlapping phases—description, discussion and prescription. Each phase will require about one year to complete.

The MS 2000 committee is developing an initiative, "Assessment for Renewal in U.S. Colleges and Universities," a national plan of action to enhance the flow of mathematical talent; renew mathematics faculties; reinvigorate teaching and scholarship; and make fundamental changes in the curriculum.

The agenda is being accomplished by conducting a national assessment of ideas, resources and opportunities; designing a framework for a national focus to reinvigorate and renew the curriculum by the year 2000; and recommending actions necessary to achieve this renewal.

The proposed assessment and agenda for renewal includes all the courses and curricula in the mathematical sciences at the college and university level, ranging from courses in two-year colleges to the programs of research and postgraduate studies in universities. The issue of mathematical talent, curriculum, and resources is being addressed in view of national needs and potential.

As a result of its initiatives, MS 2000 will issue three reports in 1990. Mathematical Sciences Curricula, an examination of the course content, degree programs and methods of teaching in colleges and universities, will be issued in the spring. Mathematical Sciences Resources, a description of the support resources available at colleges and universities, will also be published in the spring. And a Final Report to the Nation, recommendations and a plan of action for the revitalization and renewal of the mathematical sciences, will be issued in the fall. ■

Nominations Sought for Distinguished Scholars

Nominations are now being sought for 1990-91 Distinguished Scholar-Teachers. This program, sponsored by the Vice President for Academic Affairs and Provost, gives the campus an opportunity to recognize outstanding faculty members who have translated their scholarship into successful classroom teaching.

The selection committee will choose up to five professors who will have the opportunity to devote a full academic year to teaching, research and related study. These people should exhibit the broad-ranging scholarship and inspired teaching—particularly at the undergraduate level—that characterizes the finest instruction on campus.

Nominations should be in the form of a letter briefly stating the nominee's qualifications and should be accompanied by a current curriculum vitae.

Criteria for selection will include distinction as a teacher, achievement as a scholar, and the imaginativeness, academic soundness and intellectual range of the proposed special courses.

Nominations should be sent by Oct. 17 to Kathryn Mohrman, dean for Undergraduate Studies and chair of the selection committee, in room 1115, Hornbake Library. For more information, call Susan Koonce, assistant dean for Undergraduate Studies at 454-2530. ■

Regents Approve Plan for System

The Board of Regents unanimously approved a master plan for the University of Maryland System during its Sept. 28 meeting at College Park.

The plan, prepared by the Regents at the request of the state legislature, outlines the current status, needs and goals of the system and its 11 campuses. A key chapter of the plan is the "Blueprint for Excellence" which outlines specific goals in six areas: the flagship institution (College Park) and its enhancement, initiatives for the Washington area, initiatives for the Baltimore area, enhancing historically black institutions, enhancing teacher education and enhancing undergraduate education.

This blueprint reiterates College Park's position as the system's flagship institution. The document includes the Regents' recommendation of \$20.7 million in state funds in FY 1991 for the first year of College Park's five-year, \$150 million enhancement plan. The UM system budget will be considered by the state legislature beginning in January.

In addition the blue print calls for such initiatives as:

- Developing Bowie State into a

regional comprehensive institution for the Washington area.

- Creating a center in downtown Baltimore for continuing education by expanding University College programs there.

- Expanding the educational offerings in high-tech programs at Shady Grove.

- Improving teacher education statewide, in part through the creation of a Center for Urban Education at Coppin State College.

More extensive changes for Baltimore-area institutions were left for further study. Seeing higher education in the Baltimore area as having strengths that "are less productive than they could be because they are found in diverse programs geographically and organizationally separated," the Regents pledged to continue looking possible initiatives for the Baltimore area.

As a solution, the Regents said they will consider a merger of the University of Maryland Baltimore County and University of Baltimore. The plan emphasized that a merged institution would be designed in a way that would not put it into competition with College Park. ■

—Brian Busek

Calendar

October 9-18



Hesperus will perform a free concert on Thursday, October 12 at 8:15 p.m. in Tawes Recital Hall.

9 MON

Art Exhibitions: "Picturing America: Art as Expression and Education, 1920-1945" and "The Andy Warhol Athlete Portraits," selections from the permanent collection, through Nov. 22, The Art Gallery, Art/Sociology Bldg. Call x2763 for info.

Art Exhibition: "WPA Black Printmakers," organized by Lehman College Art Gallery, through Oct. 22, The Art Gallery, Art/Sociology Bldg. Call x2763 for info.

Computer Science Colloquium: "The RAID Project at Purdue," Bhargat Bhargava, Purdue U., 4 p.m., 0111 Classroom Bldg. Call x4244 for info.

Space Sciences Seminar: "New Results from the Neptune Encounter," Frank McDonald, 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call x3136 for info.

10 TUE

Registration for Doubles Horseshoes Ends, 8:30 a.m.-4:30 p.m., Campus Recreation Services. Call x3124 for info.

Employee Development Seminar: "Leadership & Motivation for Supervisors," State of Maryland Management Development Center, 9 a.m.-4 p.m., 0109 Center of Adult Education. Call x4811 for info.

Zoology Seminar: "Linkages Between Primary and Secondary Production in Aquatic Ecosystems," Stuart Findlay, Institute of Ecosystem Studies, noon, 1208 Zoo/Psych. Bldg. Call x3202 for info.

Systems Research Center Colloquium: "Communication Issues in Parallel Computation," Dimitri Bertsekas, MIT, 3-4 p.m., 1100 ITV Bldg. Call x5880 for info.

Maryland Field Hockey vs. West Chester, 3:30 p.m., Denton Field. Call x2468 for info.

Physics Colloquium: "Disorder and the Vortex Glass Phase in High Tc Superconductors," Matthew P. E. Fisher, IBM Watson Research Center, 4 p.m., 1410 Physics Bldg. Call x3512 for info.

Black Faculty and Staff Association Reception, for new black faculty, staff and students, 4-6 p.m., Nyumburu Cultural Center. Call x5605 for info.

Vocal Recital, featuring singer-actress Angelina Reaux performing her one-woman show, "Stranger Here Myself," 8 p.m., Tawes Recital Hall. Call x6669 for info.

Symphonic Wind Ensemble Concert: John Wakefield, conductor, 8 p.m., Tawes Theatre. Call x6803 for info.

Movies: "Hunchback of Notre Dame" and "The Story of Vernon and Irene Castle," Hoff Theater. Call x2594 for info.*

11 WED

Registration Begins for Team Table Tennis and Coed Bowling, 8:30 a.m.-4:30 p.m., Campus Recreation Services. Call x3124 for info.

Hispanic Heritage Day Panel Discussion, featuring Manny Carillo, Dept. of Labor, Julio Portolatin, All-State Insurance; Christopher Rodriguez, Goddard Space Flight Center; and Carlos Sanchez, The Washington Post, 11 a.m.-4 p.m., Grand Ballroom, Student Union. Call x4901 for info.

Research and Development Meeting: "PCCES, The Counseling Center's Community Service Division—Update on New Community Services," Robert W. Freeman, noon, 0106 Shoemaker Bldg. Call x2932 for info.

International Affairs Lecture: "The Folk-Cultural Heritage of Jewish Ethnic Groups in Israeli Education," Dov Noy, Hebrew U. of Jerusalem, Israel, noon, 1400 Marie Mount Hall. Call x3008 for info.

Architecture Symposium: "Modern Dutch Architecture, 1890-1945," featuring Helen Searing on "Berlage, Cuyper and the Amsterdam School," Yve-Alain Bois on "The De Stijl Idea," Maristella Casciato on "Duiker and the International Style," and Wim de Wit on "Modernism and Tradition Between the World Wars," 2-6 p.m., Architecture Auditorium. Call x3427 for info.

Housing and Design Lecture: "Active Health Care, an Integral Understanding of Design," Mary Elizabeth Boyd, Chief of Interior Design for the Veterans Administration, 2 p.m., Maryland Room, Marie Mount Hall. Call x1543 for info.

International Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x4925 for info.

Astronomy Colloquium: "Large Scale Correlations in the Distributions of Galaxies," A. Szalay, Johns Hopkins U., 4 p.m., 1113 Computer & Space Sciences Bldg. Call x3005 for info.

Women's Volleyball vs. U. of Delaware, 7 p.m., Cole Field House. Call x2123 for info.

Depressive Illness Symposium, featuring Robert Hirschfeld, National Institute of Mental Health, 7-9 p.m., Atrium, Stamp Union. Call x4925 for info.

Movies: "The Story of Vernon & Irene Castle" and "Hunchback of Notre Dame," Hoff Theater. Call x2594 for info.*

12 THU

Campus Senate Meeting, 3:30-6:30 p.m., 0126 Reckord Armory. Call x4549 for info.

Meteorology Seminar: "Hydrogen Peroxide in Moist Environments," Brian Heikes, 3:30 p.m., 2114

Computer and Space Sciences Bldg. Call x2708 for info.

Physics is Phun Public Lecture-Demonstration: "Good Vibrations," featuring demonstrations of vibrations and wave phenomena, today and tomorrow, doors open at 7 p.m., program begins at 7:30 p.m., Physics Department Lecture Halls. Call x3520 for info.

Hesperus Music Recital, featuring a performance of music from the Old World and the New, 8:15 p.m., Tawes Recital Hall. Call x4241 for info.

Movie: "Do the Right Thing," Hoff Theater. Call x5351 for info.

13 FRI

College of Library and Information Services 9th Annual Alumni Day: "Pathways to Health Information: A Prescriptive Approach," time and place of events TBA. Call 454-2590 for info.

Afro-American Studies Fall Seminar: "The Politics of Reproductive Health," Melanie Njeri Jackson, noon, 2169 LeFrak Hall. Call x5665 for info.

Lunch 'N Learn Lecture: "Eyewitness to China's Student Revolt: Personal Reflections and Videotape on Events in Tiananmen Square," Drury G. Bagwell, 1 p.m., 3100E University Health Center. Call x4925 for info.

Field Hockey, Maryland vs. Rutgers, 3 p.m.; Richmond vs. UC, Berkeley, 5 p.m., Turf Field. Call x2468 for info.

National Symposium on China: "Dealing With China in Transition," today and tomorrow, keynote address tonight, "China's Future in the Light of Tiananmen," Harrison Salisbury, New York Times Correspondent on China, 8 p.m., Center of Adult Education. Call x3008 for info.

Women's Volleyball: Maryland vs. Georgia Tech, 6 p.m.; Georgia Tech vs. Syracuse, 8 p.m., Cole Field House. Call x2123 for info.

Movies: "Do the Right Thing" and "Vampire's Kiss," Hoff Theater. Call x2594 for info.*

14 SAT

Field Hockey, Maryland vs. Duke, 1 p.m.; Rutgers vs. UC, Berkeley, 3 p.m., Turf Field. Call x2468 for info.

Women's Volleyball: Maryland vs. Syracuse, 11 a.m.; vs. West Virginia, 4 p.m., Cole Field House. Call x2123 for info.

Artist Scholarship Benefit Concert: Miles Hoffman, viola and Robert McCoy, piano, performing music by Schumann, Pendereckie, Vaughn-Williams, Brahms and Bloch, 8 p.m., Tawes Theatre, \$10 standard admission, \$7 seniors and students. Call x6669 for info.*

Movies: "Do the Right Thing" and "Vampire's Kiss," Hoff Theater. Call x2594 for info.*

15 SUN

Architecture Exhibit: "Nikken Sekkei: Its Ninety Years and the Modernization of Japan," through November 15, Architecture Gallery. Call x3427 for info.

Field Hockey: Maryland vs. UC, Berkeley, 11 a.m.; Rutgers vs. Duke, 1 p.m., Turf Field. Call x2468 for info.

Movie: "Do the Right Thing," Hoff Theater. Call x5351 for info.

16 MON

Learning Assistance Service Study Skills Workshop, 3-4:30 p.m., 2201 Shoemaker Bldg. Call x2935 for info.

Computer Science Colloquium: "The Starburst Project," Guy M. Lohman, IBM Almaden Research Center, 4 p.m., 0111 Classroom Bldg. Call x4244 for info.

Space Science Seminar: "High-Latitude Plasma Structures," Sunanda Basu, 4:30 p.m., Computer & Space Sciences Building. Call x3136 for info.

Women's Volleyball vs. Duke, 8 p.m., Cole Field House. Call x2123 for info.

17 TUE

Registration Closes for Team Table Tennis & Coed Bowling, 8:30 a.m.-4:30 p.m., Campus Recreation Services. Call x3124 for info.

Zoology Seminar: "Chesapeake Bay: Nutrient Enrichment, A Historical Perspective," Chris D'Elia, noon, 1208 Zoo/Psych. Bldg. Call x3202 for info.

Physics Colloquium: "Experiments on Diffusion and Quantum Localization in a Rydberg Hydrogen Atom," James Bayfield, U. of Pittsburgh, 4 p.m., 1410 Physics Bldg. Call x3512 for info.

Spanish and Portuguese 1992 Lecture: "On Colonial/Imperial discourse and Contemporary Critical Theory," Josaphat Kubayanda, Ohio State U., 5 p.m., 2309 Art/Soc. Bldg. Call x4305 for info.

University Theatre: Opening night for "Antigone," by Jean Anouih, translated into English by Lewis Galantiere, 8 p.m., Rudolph E. Pugliese Theatre, \$7 standard admission, \$5.50 seniors and students, through Oct. 29. Call x2201 for info.*

Feminism Seminar: "Sexuality in the Field of Differences," Biddy Martin, Cornell U., 8 p.m., 2203 Art/Sociology Bldg. Call x3841 for info.

Movies: "Beau Geste" and "Gunga Din," Hoff Theater. Call x2594 for info.*

18 WED

Registration Begins for 1-on-1 Basketball & Team Badminton, 8:30 a.m.-4:30 p.m., Campus Recreation Services. Call x3124 for info.

Employee Development Seminar: "Overview of ACC Communications & Transportation," internal staff, 9 a.m.-noon, Maryland Room, Marie Mount Hall. Call x4811 for info.

Research and Development Meeting: "Counselor Certification in Maryland," David B. Hershen-son, noon, 0106 Shoemaker Bldg. Call x2932 for info.

Zoology Colloquium: "The Reproductive Ecology of a Dioecious Understory Tree, *Ilex opaca* (American Holly)," David Carr, 3 p.m., 1208 Zoo/Psych. Bldg. Call x3202 for info.

International Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x4925 for info.

Writers Here and Now Reading, featuring Cecile Pineda, 3:30 p.m., Katherine Anne Porter Room, McKeldin Library. Call x2511 for info.

Women's Soccer vs. St. Mary's, 3:30 p.m., Denton Field. Call x2123 for info.



Women's Volleyball vs. Villanova, 8 p.m., Cole Field House. Call x2123 for info.

University Theatre: "Antigone," 8 p.m., see Oct. 17 for details.

Gala Scholarship Concert, featuring Daniel Heifetz performing Bach's Double Violin Concerto in D Minor, Mozart's Violin Concerto No. 5 in A Major, K. 219 and Vivaldi's Four Seasons, with President William Kirwan narrating Vivaldi's original poems, 8 p.m., Tawes Recital Hall, \$10 and \$7. Call x6669 for info.

Movies: "Gunga Din" and "Beau Geste," Hoff Theater. Call x2594 for info.*

* Admission charge for this event. All others are free.

Calendar information may be sent to John Fritz, 2101 Turner Laboratory or (via electronic mail) to jlfritz@pres.umd.edu.

Scholars Will Describe the Restoration of Lost Dance

Dance notation might have saved dance historian Millicent Hudson and art historian Kenneth Archer eight years of work, but they would have been left without a fascinating story. For eight years, the two scholars worked to reconstruct Nijinsky's *Rite of Spring*, a legendary and short-lived version of the ballet. They will describe their project in a presentation at 5 p.m. Wed., Oct. 11, in the Dance Studio Theater EE. When first staged in 1913, the *Rite of*

Spring was performed just five nights and alternately viewed as "vulgar" and "brilliant," says dance professor Anne Warren. However, the dance's choreography was not recorded in any way and was forgotten after the short run. Nearly 70 years later, Hudson and Archer painstakingly used such sources as costumes sketches to reconstruct the dance. Their work resulted in the current Joffrey Ballet revival of the dance.

ARTS AT MARYLAND

Notation System Tracks Dancers' Movements Through the Decades

Anne Warren, professor of dance, looks at boxes, slashes and a few dots and sees dancers leaping into the air.

The dots and slashes are integral parts of a dance notation, a complex collection of symbols designed to describe human movements on paper. Since its creation in the early 20th century by Rudolph Laban, notation has been used to record the movements of dancers for posterity.

Notation was a welcome addition for dance historians. For most of its history, dance was a hand-me-down art, says Warren, who is teaching a class on dance notation during the fall semester.

Without written records, dancers and choreographers passed their work along through showing and telling. In the process, the style and choreography of dances often vanished with the passage of time.

In some cases, the disappearance of a dance left historians to retrieve lost works through painfully indirect sources. Costume designs, musical scores and even paintings became the sources for reconstructing dances.

Laban, a scholar of human movement, used graphs not unlike musical scales as the basis of his system. Set on vertical bar graphs and running from the bottom to the top of the page, simple symbols such as boxes and dots represent the entire range of movement on all the limbs of body.

While the symbols are simple, how-

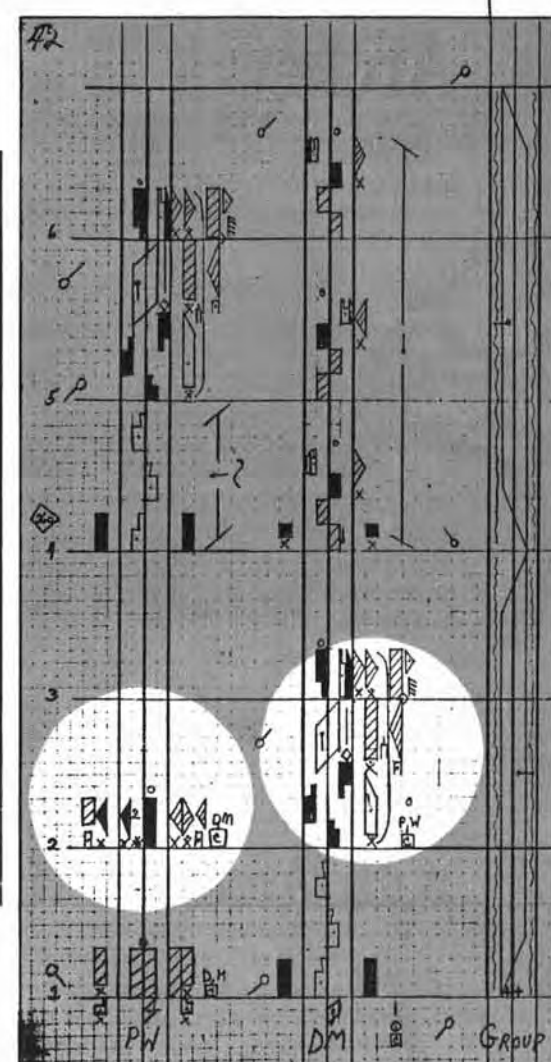


Members of Maryland Dance Theater execute a landing in a 1981 production of Doris Humphrey's *Brandenburg Concerto*. Dance professor Anne Warren reconstructed the work from dance notation. The accompanying page of the notation includes the movement shown in the picture. The staff is read from bottom to top. P and W stand for the men in the picture while D and M represent the women. The positions of symbols indicate the part of body that is moving. Shapes of symbols indicate direction; shadings of symbols indicate level; and length of symbols indicate timing.

ever, the system is not. Tracking a major dance requires voluminous notes, and a reader must be trained to follow the system. Because of the difficulty of mastering the system, dance notation is

more a tool of archivists than a device used by working dancers and choreographers.

Warren attests to the usefulness of the



system in staging performances. She has restaged works from notation, including some for the Maryland Dance Theater.

—Brian Busek

Production Will Show There's More Than One Way to Play *Antigone*

In the opening speech of Jean Anouilh's version of *Antigone*, the chorus announces "when...your name is Antigone, there is only one part you can play." Catherine Schuler, assistant professor of theatre, disagrees.

Schuler is the director of the upcoming University Theatre production of *Antigone*, Oct. 17-22 and 24-29 in the Rudolph E. Pugliese Theatre. In the production, Schuler's cast will experiment with alternatives for *Antigone* that include cross-gender casting and a retooling of the play's theme.

Anouilh's play is based on the Sophoclean tragedy of a young girl who sacrifices herself to ensure that her dead brother, Polynices, receives a proper burial. The brother is denied burial by Creon, Antigone's uncle and the king of Thebes.

As the play begins, Creon has taken power in a civil war and has decreed that no one should bury Polynices—under the threat of death. Antigone, fearful that Polynices' soul will wander the earth if the body is not properly buried, defies the order.

In both Sophocles and Anouilh, Antigone is a tragic and heroic figure, one who battles the political order in support

of what she believes is right.

Examining *Antigone* from a contemporary viewpoint, however, casts a different light on her, Schuler says. From a contemporary perspective, Antigone's cause seems trivial, certainly not something worth dying for. In this sense Antigone's defiance can be seen as a suicidal act, she says.

"Antigone is a person with a great deal of commitment. The problem I have with that is that commitment in itself is not a virtue. What is she committed to? We see [Antigone] more as a rebel without a cause," she says.

Viewing *Antigone* from this perspective has prompted some tinkering with the Anouilh script. For instance that nettlesome line about only one part for Antigone has been stricken. In fact, seeing Antigone as a rebel without a cause is even pulling her from her tragic tradition.

"There are elements of black comedy in the play. It can be taken in that direction," Schuler says.

To further both the sense of modernity and black comedy, the role of the chorus leader, who serves within the script as a kind of narrator and commentator, will have an expanded and distinctly contemporary role.

"He's a cross between a Punk, a Skinhead and the emcee in *Cabaret*," Schuler says.

Additional experimentation will be seen throughout the production. A woman will play Creon, and the character has been re-invented as a female ruler to explore how a woman might act in his position. The production also will feature elements of environmental theater with part of the au-

dience seated on the floor and interacting with the chorus.

"It can be very revealing to make the familiar strange. Experiments like this can be real bombs or tremendously interesting. I'm not comfortable with the idea of reproducing classics without making them live for modern audiences. Hopefully, this will prove to be a worthwhile experiment," Schuler says.

—Brian Busek



A scene from the University Theatre production of *Antigone*.

Artist Scholarship Benefit Series Opens Season

The first concert in the Artist Scholarship Benefit Series will be performed on Saturday, Oct. 14 at 8 p.m. in Tawes Recital Hall. Featured will be Violist Miles Hoffman and pianist Robert McCoy, with guest performers tenor James McDonald and mezzo-soprano Louise McClelland. All four artists are members of the music faculty. The program will include music by Schumann, Pendericki, Brahms, Vaughan-Williams and Bloch. Tickets are \$10 (\$7 students and senior citizens). For info call 454-6669.



Claude Walston

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CLOSE UP

CLIS Programs Will Be Enriched by Archives II

It's young (founded in 1965), it's for graduate level study only, it's small (about 300 full-time equivalent students), but it's a college that is growing and looking forward to an increasingly rosy future.

Dean Claude Walston is enthusiastic about the outlook for the College of Library and Information Services (CLIS) and its graduates. Because of a shortage of information professionals, the field today has more opportunities and better salaries than ever before. And, Walston points out, because of the requirements of a new law, a Master of Library Science degree has become the "union card" for anyone who aspires to be director of a

public library in the state of Maryland.

Add to this the opportunities that Archives II means for his college, and you can begin to understand the reasons for Walston's enthusiasm.

"Archives II will provide opportunities, laboratories, and research facilities on this campus that don't exist anywhere else in the world," he says. "Most people don't realize that it will be a huge building, one of the largest repositories anyplace, with conference rooms, an auditorium, and unprecedented capabilities."

The only accredited library college in Maryland, Virginia, West Virginia and Delaware, CLIS has programs in the

growing information field that are among the strongest in the nation. Its program in archival and records management, in particular, will be enhanced by the presence of Archives II.

In a field that is increasingly involved with computers and new media capabilities, CLIS has been forward-looking in training its students in such new technologies as CD ROM, video cassettes, and electronic publishing.

Computers were involved right from the beginning. When the college was established in 1965, Walston, who has a doctorate in electrical engineering and an IBM background, was loaned to the university to teach and develop a cur-

riculum for data processing. He returned in 1984 to become its dean.

While it is a little unusual for an electrical engineer to be the dean of a library college, it makes sense as the field goes increasingly high tech. However, this dean understands what libraries are fundamentally all about.

"The new technology expands our horizons, but it will never replace the book," Walston says firmly. ■

—Linda Freeman

Libraries Plan Collaboration with Archives II

The National Archives and Records Administration (NARA) and UMCP have recently concluded an agreement to locate a major new facility of the College Park campus for the preservation and study of the historic records of the United States. The placement of Archives II, the new 1.7 million square foot facility, at College Park signifies the beginning of a mutually rewarding partnership between the two institutions.

Crucial to the success of Archives II is an effective infrastructure supporting access to and delivery of its information resources to the scholarly community. The massive holdings of the Archives and the ever-increasing rate of growth of these holdings require particular attention to their organization, cataloging, indexing, abstracting, delivery, and preservation. Given the vastness of the materials and the breadth of their form and medium, this provides a rich environment for collaborative efforts between the National Archives and UMCP.

College Park's strengths in library and information services, as well as our capabilities and facilities in computing and telecommunications can make a significant contribution to the success of Archives II. Effective aids for finding materials and tools for delivering archival resources remain largely to be developed. The emerging information infrastructure of College Park, however, can push the boundaries of existing capabilities forward.

Major components of this information infrastructure include the complete rewiring of the campus by AT&T to provide high performance communication to every desktop, the extensive deployment of computer workstations throughout the campus, the implementation of a new library information management system, and a national

initiative to develop a high performance National Research and Education Network.

The technological opportunities presented by Archives II are currently limited only by our imagination. Increasing amounts of archival holdings are in electronic form, raising questions about how these can be effectively stored, accessed, managed and delivered. The vastness and diversity of existing non-electronic media, however, present virtually unlimited issues, questions or opportunities, depending on one's point of view, for improving their utility through information technologies. Print media, for example, can be electronically scanned into a bit-mapped image which can subsequently be delivered to a scholar's workstation directly via a telecommunications network, or processed using optical character recognition techniques to extract the content, or image-processed to interpret graphical or handwritten elements. Full-text searching of textual materials can, likewise, increase the productivity of a scholar, as can the more research-oriented analogs of automated aids to graphic or photographic searching.

NARA and UMCP have the opportunity through Archives II and the initiatives at College Park to develop and demonstrate truly mind-expanding capabilities for the scholar. Success in this mutual venture can substantially enhance the utility of the invaluable resources of the National Archives, making Archives II a genuinely national resource which is accessible from a researcher's home institution. ■

Ronald L. Larsen, Associate Director of Libraries for Information Technology

Excerpted from Fall 1989 *CSC Link*.

How to Save Money at the Libraries



Gary Kraske

a Metro Farecard. A magnetic strip is embedded with an identifying code unique to this system on a plastic reusable card.

The card costs \$1.25 and may be purchased at the Copy Center, B101 McKeldin Library, Monday-Friday from 9 a.m. to 4 p.m. Credits are issued in increments of \$1 and may be added to the card at any of the 20 copying machines equipped to handle the charge card.

In addition to costing the user less, the card has some other advantages as well. A card can be sold to a department, which will control who uses the card. In this way charges can be made to the department even when the Copy Center is closed. And while the machines in use today have very little cash in them, the new system means they will be handling even less, a security consideration.

Patricia Sweeney, manager of the Photocopy Service, is ready to assist library patrons with the new system. Once a photocopy user has purchased the card, the libraries are no longer responsible (unless a machine damages the card), so she has some words of advice for everyone: "Don't put the card in a washer or dryer, and don't carry it next to an automatic gate opener card. The gate card can erase the magnetic field on your new chargecard!"

Kraske hopes to extend the use of the new card system to other library equipment that is used by the public, including microfilm printers, computer CD RAM equipment printers and data base searches. The use of public copiers in the libraries has increased by about one third in the past year, but the cost of copying has not been raised for the last eight years. Kraske is proud that the new system will actually reduce costs for library patrons. At least one copier equipped to handle the new cards is in each of the six campus libraries. ■

Just when you've got it all figured out that the cost of anything *never* comes down, they go and do something like this.

If you use one of the new credit-type cards to photocopy materials in any of the UMCP Libraries, you will actually be paying less per copy than if you use cash—8 cents instead of 10 cents.

The new photocopy card system was started last spring, according to Gary Kraske, associate director for Administrative Services. It works rather like

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Tennis in the Bubble, Anyone?

Don't let the wintry weather keep you from exercising. The UM Tennis Bubble is open daily from 7 a.m. to 11 p.m. and will let you keep your game up while it keeps you out of the wind, rain and sleet. For information on rental fees or to reserve random or other time on a court call 454-5742.

COLLEGE PARK PEOPLE

Office Computer Gurus Help Keep Technophobia At Bay

It's four o'clock on a Thursday afternoon and you've just finished a proposal about your department's operating budget. First you save the document, then you turn off your computer. Or was that exit the program? Wait a second, where did the file go?

Yes, you are in trouble. But if you're lucky, there may be someone around the corner who can salvage your hard work. If you work in academic affairs, that person might be **Gail Orgelfinger**, an expert with WordPerfect 5.0, especially graphics.

Though she is modest about her ability—"I am very ignorant about computers"—Gail is typical of the many people at College Park who have developed a proficiency in some aspect of using computers in addition to holding down their regular jobs. In the process, they also help many of their colleagues sort through the sometimes confusing interface between human nature and high technology.

Take **Linda Martin** in Creative Services, for example. A journalist by training, Linda publishes several directories such as the Faculty Staff Handbook and the Student Directory. Yet, whenever anyone in Institutional Advancement has a question about computers, they go to her.

"I like helping people use their computers," says Martin. "It's always nice to see someone get over their fear and really do better work."

Tim Byrne of the Administrative Computer Center agrees. "Mostly, we use a lot of psychology in our jobs," says Byrne, who is one of many on the staff responsible for training university employees in such programs as Lotus 123, WordPerfect and Dbase. "people are more flexible about computers than they were five or six years ago, but it still takes initiative to figure them out."

Lori Beuchert of Academic Data Systems has this kind of initiative. When ADS needed a special accounting program, Lori, a secretary, was given the task of writing a program in Dbase to solve the problem. "She really caught onto the logic of Dbase," says **John Molish** of academic affairs and fellow Dbase guru. "She put in the time, and now it's paid off."

It certainly did. Not only did Lori solve the accounting problem, but when a job as a programming trainee opened up in ADS in February of 1988, Lori applied and got the job. "I had taken a computer course at University College, but I was surprised that I got the job," says Beuchert, who is now a full-time programmer.

Other people recognized by campus computer gurus for their proficiency are **Rao Hanumara** in the bursar's office who helps develop financial accounting software using clipper, the Dbase compiler language;

Bill Hollowsky and **Udo Shearman** in the Office of Resource Planning and Budgets who have done extensive work on Local Area Networks, Lotus, and Harvard Graphics;

Howard Kettler, a systems analyst in the comptroller's office who develops training seminars in Lotus, WordPerfect and Dbase;

Tom O'Haver, a chemistry professor who supervises the department's Macintosh workstations for students and helps many of his colleagues with graphics presentations for their research;

And **Sapienza Majeskie** in the President's office who, along with **Harry Tingley**, coordinates the Deans Electronic Network. She is also skilled in several software packages.

Perhaps the best example of how someone shares time between computers and his own job is **Robert Munn**, professor of chemistry and widely hailed as the mastermind behind the deans electronic network.

Four years ago, when Munn wrote a student advising system for academic counselors in the Colleges of Agriculture and Life Sciences, he attracted the notice of President William Kirwan, then Vice Chancellor for Academic Affairs. Realizing the significance of giving academic

counselors computerized access to student records, Kirwan asked Munn to develop a campus-wide advising program using an existing ethernet network.

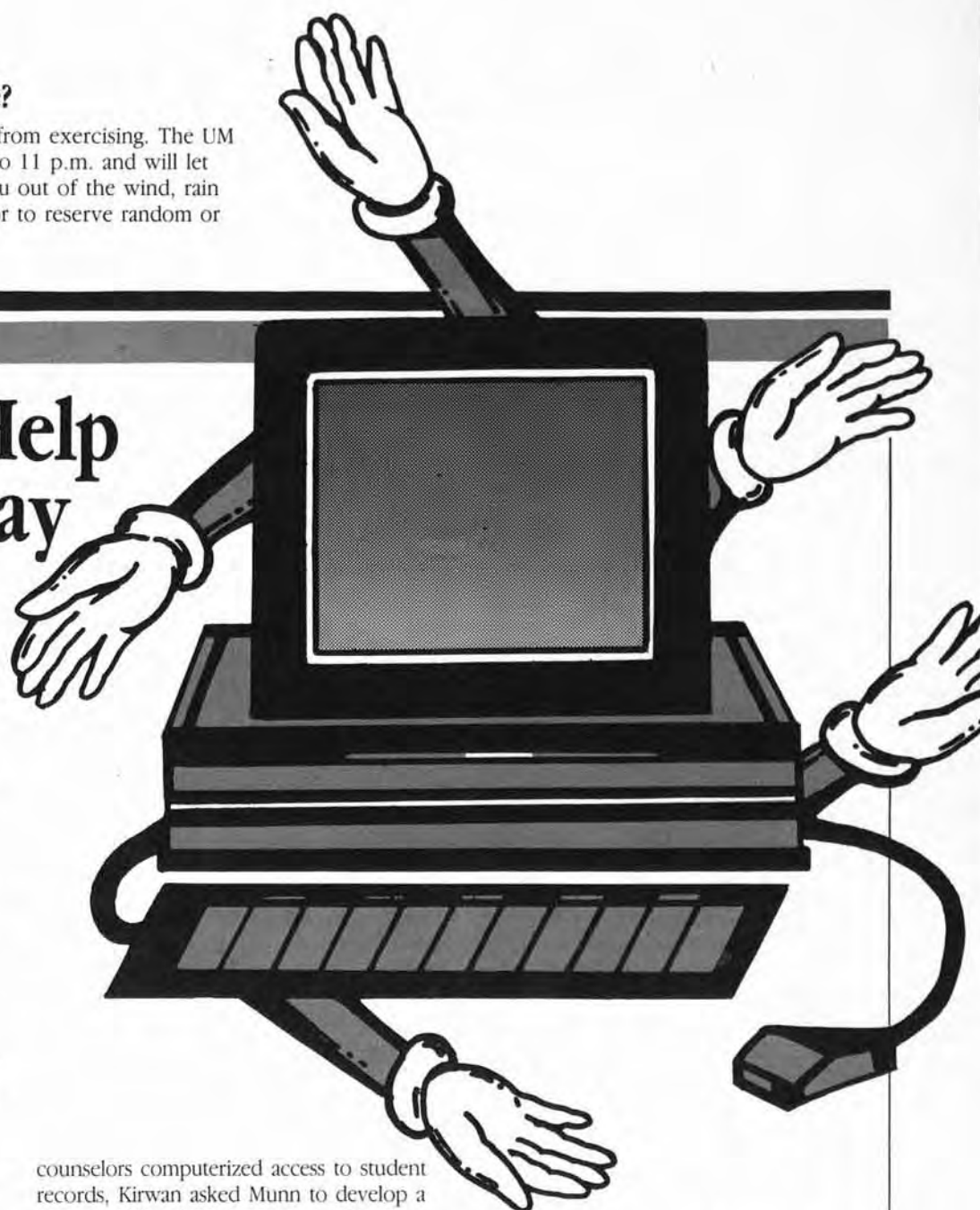
He did so, but also improved the functions of the network so that people could communicate and send messages. "There was a gap between researchers and administrators," says Munn. "I saw a way to fill it."

Apart from the funny abbreviations with signs that follow their names in the

faculty/staff directory or a natural curiosity about how things work, one thing that typifies the campus computer guru is a reluctance to be identified as such.

"I hate the word guru," says **Jim Nowotny** of Administrative Computer Center. "I prefer micro computer specialist." ■

—John Fritz



Program Forges New Links Between Colleges and Computer Science Center

A new program to aid College Park faculty members develop their expertise using computers as research and teaching tools has been put in place.

Called the Campus Computing Associates (CCA), the program establishes a formal link between the colleges and the Computer Science Center. It is designed to improve communications, provide advice and help to the academic units in their own often unique environments, and give the center new insights into the day-to-day needs of the faculty.

The nine Campus Computing Associates are discipline-oriented consultants who were hired and are managed cooperatively between the colleges and the center. Their role is to promote and facilitate the use of computing technologies in their individual colleges. Each of the CCAs has a combination of discipline experience and computer expertise.

For example, **Steven Ostrove** is the CCA for the College of Physical Education, Recreation and Health. He holds both a M.S. degree in physical education and a Ph.D. with specialties in exercise physiology and statistics from College Park. He has been employed full-time at

the Computer Science Center since 1983.

Diane Patrick has a master's degree in operations research from Johns Hopkins and has completed coursework for her doctorate in education. Before becoming a CCA with the College of Education, she worked in the Educational Technology Center.

The College of Arts and Humanities's CCA **Jay Elvove** holds a B.A. in English literature, a B.A. in radio, television and film (both from UMCP), a B.S. in computer and information science (from UMUC) and a B.A. in history from Ithaca College. Half of his time is allocated to Arts and Humanities, half to the center where he has worked for the last ten years.

Mike Wagner earned a Ph.D. in sociology from College Park in 1983. Since then he has been on the staff of the BSOS Computer Lab as senior consultant. As the college's CCA, he relays the various computer needs of the BSOS faculty, graduate students and staff to the Computer Science Center.

For the last 15 years, **Barbara Rush** has worked for the center where she manages its full-service library. Rush's ex-

perience serves her well in her role as liaison between the College of Library and Information Services and the center.

Each college is responsible for specific task assignments and the performance of their CCAs, while the center is responsible for technical training and performance and coordinating the dissemination of information. Because each CCA is well grounded in both the academic discipline and computer usage and needs of the college, he or she can often offer practical suggestions for more efficient or new uses of the technology.

Other CCAs are: **David Bonnett**, College of Journalism; **Eugene Day**, College of Computer, Mathematical and Physical Sciences and the College of Engineering; **Amita Goyal**, College of Human Ecology, and **Jim Wilkey**, College of Business and Management and the School of Public Affairs.

The Campus Computing Associate program is supervised by **Jennifer Fajman**, CSC Academic Environments. For more details about the program, contact either Fajman at x6030, or one of the nine CCAs. ■

Spend an Evening with Kurt Weill

Sting, in the new version of *The Three-Penny Opera*, isn't the only one who is singing the music of Kurt Weill these days. On Tuesday, Oct. 10 singer-actress Angelina Réaux will present her one-woman show, "Stranger Here Myself," a program of Weill's music, right here in College Park. No tickets are needed for the free performance to take place in the Tawes Recital Hall at 8 p.m. For information call 454-6669.

More Kurt Weill Music

The University of Maryland's Symphonic Wind Ensemble, under the direction of John Wakefield, will present a concert in Tawes Theatre on Tuesday, Oct. 10 at 8 p.m.. The ensemble will perform Kurt Weill's "Little Threepenny Music," the world premiere of UM composition student Randy Navarre's Polyphony for Band, and pieces by Strauss, Dukas, Iannaccone and Krenek. The concert is free. For information call 454-6803

FOCUS

Students Gear Up For Hispanic Heritage Celebration

Last year a bill was passed creating Hispanic Heritage Month, September 15-October 15. Though the term Hispanic includes people from more than 20 countries, the month includes several important dates in Hispanic history such as the independence days of several Latin American countries, including Mexico on September 16, and October 12, *Día de la Raza*, or Columbus Day.

To recognize the contributions of Hispanics to American culture, the new Hispanic Student Union, created by 50 graduate and undergraduate Hispanic students last spring, will celebrate Hispanic Heritage Day on October 11 from 11 a.m. to 4 p.m. in the Grand Ballroom of the Stamp Union.

According to Jairo Fuentes, graduate advisor to the HSU, the day will begin with a panel discussion among several Hispanic leaders from the business community. Panelists include Manny Carrillo from the Department of Labor; Julio Portatatin from All State Insurance; Christopher Rodriguez from the Goddard Space Flight Center; and Carlos Sanchez from the *Washington Post*.

After the panel discussion, Intihuatana, a Peruvian musical ensemble, will play on authentic instruments and the Ena Camargos Flamenco Dancers will perform.

Hispanic hors d'oeuvres and refreshments will also be available.

Hispanic Heritage Day is just one of many activities in the Washington and Baltimore area that will celebrate the contributions of the rapidly growing Hispanic culture, says Fuentes.

A recent article in the Baltimore Evening Sun reported that in March of 1987, the U.S. Census Bureau estimated that 18.8 million Hispanics lived in the United States, with the majority (11.8 million) coming from Mexico. The fastest rate of growth (40 percent) occurred in peoples from Central and South America between 1982 and 1987.

Closer to home, Hispanic specialists estimate that 80,000 to 100,000 Hispanics live in Montgomery and Prince George's County, with a large community in Southeast Baltimore.

At the university, as of Spring 1989, the Hispanic enrollment included 740 undergraduate students (594 full-time; 146 part-time) and 116 graduate students (51 full-time; 65 part-time).

Dario Cortes, director of the Office of Minority Graduate Affairs, is concerned about the state of Hispanic education.

"Hispanics are the least likely of the three major U.S. population groups to be enrolled in post-secondary four year institutions," says Cortes. "This is even more the case with respect to graduate and professional school enrollees," (see survey on Hispanic education). Cortes believes that myths about

Hispanics' ambition help perpetuate the dropout cycle. "To say that Hispanic college students are not always ready for the situation facing them in higher education is to underestimate the situa-

tion," he says. "More often than not, Hispanics are the first from their families to enroll in postsecondary education." ■

—John Fritz

What's Your Awareness of Hispanic Culture and Education?

The following questions are taken from a survey prepared by Rafael J. Magallan. For information about the entire survey, contact Dario Cortes in the Office of Graduate Minority Affairs.

1. Which state has the largest number of Hispanic residents? (a) New York (b) Florida (c) Texas (d) New Mexico or (e) California.
2. What percentage of Hispanic households are headed by women? (a) 17 (b) 19 (c) 23 (d) 37 or (e) 43.
3. What was the median family income for Hispanic families? (a) \$29,458 (b) \$26,770 (c) \$22,246 (d) \$19,995 or (e) \$14,584.
4. What percentage of Hispanics were enrolled in college in 1986? (a) 28.6 (b) 29.4 (c) 33.8 or (d) 38.5.
5. What percentage of 25 year old Hispanics had four or more years of college completed in 1987? (a) 7.8 (b) 8.6 (c) 12.2 (d) 14.2 (e) 17.1
6. How many postsecondary institutions can be found on the U.S. mainland in which Hispanics are the majority student enrollment? (a) 3 (b) 20 (c) 26 (d) 37 (e) 49. ■

Answers 1. (c) 2. (c) 3. (d) 4. (b) 5. (b) 6. (b).

Archives Construction Underway

continued from page 1

Park; special classes for students; and professional interchange of ideas and information through scholarly conferences;

- Joint research and teaching opportunities: cooperative ventures between NARA and the university in such fields as telecommunications, information science, materials preservation, records management, and manuscript and archival administration;

- Visiting research positions: coordination of a visiting fellows program, initially including at least 10 positions;

- Space: over 50,000 square feet of office and study space in the research room complex will be available; space will be crated for distinguished visiting fellows and researchers;

- Student support: cooperative educational arrangements and jobs will be initiated for undergraduate and graduate students.

When Archives II is opened in 1993, it is expected that it will serve over 50,000 scholars annually. ■

—Roz Hiebert

TAP Associate Director to Lead Workshop

Frank Penaranda, associate director of the Technology Advancement Program (TAP), the University's Engineering Research Center small business incubator, will lead a session at the October 27-28 National Innovation Workshop. The workshop is the latest in a series of national programs funded by the Department of Energy to provide practical guidance and information to innovative businesses, entrepreneurs and inventors in the mid-Atlantic region. TAP and the University's Dingman Center for Entrepreneurship are among several regional sponsors of the Workshop.

Bielec Receives Publications Award

John Bielec, assistant vice president for Administrative Affairs, was honored this summer at the national meeting in Philadelphia of the Association of College and University Business Officers for making substantial contributions to the organization's publications. Bielec had written articles on such topics as planning for enrollment declines, catastrophe theory in policy planning, and planning for distributive computing.

Kids, Kids, Kids



The campus Day Care Center has begun its second year of operation with a full-time enrollment of 60 children, 3-5 years old. Thirty part-time children are also enrolled. Twenty-seven children are on a space-available waiting list. "The first year went well. We had full enrollment and made some changes," says Elisa L. Klein, Day Care Center director. "We now have three full-day programs instead of two, and we have an extended-day kindergarten in response to parents' requests." Klein adds that most of the parents who have enrolled their children in the center are very positive about its operation.